

AMENDMENTS

In The Specification:

Please replace the sixth paragraph on page 5 with the following amended paragraph:

In accordance with the foregoing and other objectives of the present invention, a composition used in interfacial condensation polymerization method for fabricating phase-change material microcapsules comprises two different phases, water phase and oil phase. The solvent in the water phase is water, in which at least comprises waterborne polyurethane. A monomer of the waterborne polyurethane includes 2,2-bis(hydroxymethyl) propionic acid. The chain extender used to prepare the waterborne polyurethane includes a diamine containing a sulfonate functional group. A ~~weight ratio~~ percentage concentration of the waterborne polyurethane in the water phase is 5 % to 40 %. A preferred weight percentage concentration of waterborne polyurethane aqueous solution is between about 15% and 35% ~~over the composition is 0.05—0.40~~. ~~The preferred weight ratio of the waterborne polyurethane over the composition is 0.10—0.30.~~

Please replace the third paragraph on page 6 with the following amended paragraph:

The lipophilic monomer and the waterborne polyurethane polymerize to form the shell of the microcapsules in the interfacial condensation polymerization process. The lipophilic monomer is isocyanurate of 1,6-hexamethylene diisocyanate. The ~~weight ratio~~ of the lipophilic monomer solves in over the phase-change-material and the weight percentage is between about 3% and 12% ~~0.03-0.12~~, and preferred weight percentage

ratio of the lipophilic monomer basing on ~~over~~ the phase change material is between about 5% and 10% ~~0.05-0.1~~. In the meanwhile, the weight ratio of lipophilic monomer and over the waterborne polyurethane is 0.3—0.45 ~~between about 25% and 50%, and preferred weight ratio is between about 30% and 45%~~. The phase-change material and the solid wax are covered by hydrophilic shell and the microcapsules are fabricated. The melting point of the solid wax is very high, the phase of the solid wax dose not change in an operation temperature range of the microcapsules, therefore, the solid wax is used as seed when the phase-change material changes from liquid to solid.

Please replace the third paragraph on page 14 with the following amended paragraph:

Two examples disclosed below are that the organic solvent is added to the composition of the present invention. The examples illuminate that the microcapsules can be fabricated while the composition includes organic solvent. ~~The waterborne polyurethane is polymerized by~~ and the hydrophilic monomer[[s]] or pre-polymer still ~~and~~ can be used as a surfactant. The outstanding potency of the waterborne polyurethane is more obvious.